

## **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

- 1 1. (Currently Amended) A method for tracking and controlling e-mail forwarding of  
2 an encrypted document generated by a publisher from a user connected to a  
3 content server to a recipient user, comprising:
  - 4 (a) in response to a request from the user, preparing in the content server, an  
5 e-mail message that contains a link to the publisher and an identifier for  
6 the document;
  - 7 (b) sending the e-mail message to the recipient user wherein, upon receiving  
8 the e-mail, the recipient user logs onto a forwarding server at the  
9 document publisher;
  - 10 (c) receiving and resolving the link at the publisher and downloading a secure  
11 viewer program to the recipient user and an encrypted version of the  
12 requested document to the secure ~~browser~~ viewer program;
  - 13 (d) requesting a decryption key for the encrypted document with the secure  
14 viewer program; and
  - 15 (e) decrypting the encrypted document and displaying the document content  
16 in the secure viewer program.
- 1 2. (Original) The method of claim 1 wherein step (a) comprises making the request  
2 to forward the encrypted document to the recipient user with a secure viewer  
3 running in a browser.
- 1 3. (Original) The method of claim 1 wherein the link in the e-mail message contains  
2 information identifying the sender of the e-mail, the recipient of the e-mail and the  
3 encrypted document.

- 1 4. (Original) The method of claim 3 wherein the information is inserted into the URL  
2 of the link to the publisher.
- 1 5. (Original) The method of claim 3 wherein step (a) comprises encrypting the  
2 identifying information in the e-mail message.
- 1 6. (Original) The method of claim 5 wherein step (a) comprises encrypting the  
2 information with a public key of a public/private key pair assigned of the  
3 publisher.
- 1 7. (Original) The method of claim 1 wherein step (b) comprises opening, in a  
2 computer of the recipient user, a browser in response to a selection of the link by  
3 the recipient user and navigating to the forwarding server.
- 1 8. (Original) The method of claim 7 wherein step (c) comprises downloading a  
2 secure viewer program into the browser in the recipient user's computer.
- 1 9. (Original) The method of claim 1 wherein step (c) comprises downloading a  
2 document identifier to the secure viewer program running in the recipient user's  
3 computer.
- 1 10. (Original) The method of claim 9 wherein step (d) comprises using the document  
2 identifier to request a decryption key from the forwarding server.
- 1 11. (Original) The method of claim 10 wherein step (d) further comprises returning  
2 the decryption key from the forwarding server to the secure viewer program in  
3 response to the document identifier.

- 1 12. (Original) The method of claim 1 further comprising logging the information in the  
2 e-mail including the sender, the recipient and the document identifier by the  
3 forwarding server.
- 1 13. (Original) The method of claim 1 wherein the link maintains a count of the  
2 number of times it has been selected.
- 1 14. (Original) The method of claim 13 wherein the link is a one-time link.
- 1 15. (Currently Amended) Apparatus for tracking and controlling e-mail forwarding of  
2 an encrypted document generated by a publisher from a user connected to a  
3 content server to a recipient user, comprising:  
4 means responsive to a request from the user for preparing in the content  
5 server, an e-mail message that contains a link to the publisher and an identifier  
6 for the document;  
7 means for sending the e-mail message to the recipient user wherein, upon  
8 receiving the e-mail, the recipient user logs onto a forwarding server at the  
9 document publisher;  
10 means for receiving and resolving the link at the publisher and  
11 downloading a secure viewer program to the recipient user and an encrypted  
12 version of the requested document to the secure ~~browser~~ viewer program;  
13 means for requesting a decryption key for the encrypted document with  
14 the secure viewer program; and  
15 means for decrypting the encrypted document and displaying the  
16 document content in the secure viewer program.
- 1 16. (Original) The apparatus of claim 15 wherein the request to forward the  
2 encrypted document to the recipient user is made with a secure viewer running in  
3 a browser.

- 1 17. (Original) The apparatus of claim 15 wherein the link in the e-mail message  
2 contains information identifying the sender of the e-mail, the recipient of the e-  
3 mail and the encrypted document.
- 1 18. (Original) The apparatus of claim 17 wherein the information is inserted into the  
2 URL of the link to the publisher.
- 1 19. (Original) The apparatus of claim 17 further comprising means for encrypting the  
2 identifying information in the e-mail message.
- 1 20. (Original) The apparatus of claim 19 wherein the means for encrypting the  
2 identifying information comprises means for encrypting the information with a  
3 public key of a public/private key pair assigned of the publisher.
- 1 21. (Original) The apparatus of claim 15 further comprising means for opening, in a  
2 computer of the recipient user, a browser in response to a selection of the link by  
3 the recipient user and means for using the browser to navigate to the forwarding  
4 server.
- 1 22. (Original) The apparatus of claim 21 wherein the means for downloading a  
2 secure viewer program comprises means for downloading a secure viewer  
3 program into the browser in the recipient user's computer.
- 1 23. (Original) The apparatus of claim 15 wherein the means for downloading an  
2 encrypted version of the requested document to the secure browser program  
3 comprises means for downloading a document identifier to the secure viewer  
4 program running in the recipient user's computer.

- 1 24. (Original) The apparatus of claim 23 wherein the means for requesting a  
2 decryption key comprises means for using the document identifier to request a  
3 decryption key from the forwarding server.
- 1 25. (Original) The apparatus of claim 24 wherein the means for requesting a  
2 decryption key further comprises means for returning the decryption key from the  
3 forwarding server to the secure viewer program in response to the document  
4 identifier.
- 1 26. (Original) The apparatus of claim 15 further comprising means for logging the  
2 information in the e-mail including the sender, the recipient and the document  
3 identifier by the forwarding server.
- 1 27. (Original) The apparatus of claim 15 wherein the link maintains a count of the  
2 number of times it has been selected.
- 1 28. (Original) The apparatus of claim 27 wherein the link is a one-time link.
- 1 29. (Currently Amended) A computer program product for tracking and controlling e-  
2 mail forwarding of an encrypted document generated by a publisher from a user  
3 connected to a content server to a recipient user, the computer program product  
4 comprising a computer usable medium having computer readable program code  
5 thereon:  
6 program code operable in response to a request from the user, for  
7 preparing in the content server, an e-mail message that contains a link to the  
8 publisher and an identifier for the document;  
9 program code for sending the e-mail message to the recipient user  
10 wherein, upon receiving the e-mail, the recipient user logs onto a forwarding  
11 server at the document publisher;

12                   program code for receiving and resolving the link at the publisher and  
13                   downloading a secure viewer program to the recipient user and an encrypted  
14                   version of the requested document to the secure ~~browser~~ viewer program;  
15                   program code for requesting a decryption key for the encrypted document  
16                   with the secure viewer program; and  
17                   program code for decrypting the encrypted document and displaying the  
18                   document content in the secure viewer program.

1   30.   (Original) The computer program product of claim 29 wherein the program code  
2           for preparing an e-mail message comprises a secure viewer program running in  
3           a browser that makes the request to forward the encrypted document to the  
4           recipient user.

1   31.   (Original) The computer program product of claim 29 wherein the link in the e-  
2           mail message contains information identifying the sender of the e-mail, the  
3           recipient of the e-mail and the encrypted document.

1   32.   (Original) The computer program product of claim 31 wherein the information is  
2           inserted into the URL of the link to the publisher.

1   33.   (Original) The computer program product of claim 31 wherein the program code  
2           for preparing an e-mail message comprises program code for encrypting the  
3           identifying information in the e-mail message.

1   34.   (Original) The computer program product of claim 33 wherein the program code  
2           for preparing an e-mail message comprises program code for encrypting the  
3           information with a public key of a public/private key pair assigned of the  
4           publisher.

- 1 35. (Original) The computer program product of claim 29 wherein the program code  
2 for sending the e-mail message to the recipient user comprises program code for  
3 opening, in a computer of the recipient user, a browser in response to a selection  
4 of the link by the recipient user and navigating to the forwarding server.
- 1 36. (Original) The computer program product of claim 35 wherein the program code  
2 for downloading a secure viewer program to the recipient user comprises  
3 program code for downloading a secure viewer program into the browser in the  
4 recipient user's computer.
- 1 37. (Original) The computer program product of claim 29 wherein the program code  
2 for downloading a secure viewer program to the recipient user comprises  
3 program code for downloading a document identifier to the secure viewer  
4 program running in the recipient user's computer.
- 1 38. (Original) The computer program product of claim 37 wherein the program code  
2 for requesting a decryption key for the encrypted document comprises program  
3 code for using the document identifier to request a decryption key from the  
4 forwarding server.
- 1 39. (Original) The computer program product of claim 38 wherein the program code  
2 for requesting a decryption key for the encrypted document further comprises  
3 program code for returning the decryption key from the forwarding server to the  
4 secure viewer program in response to the document identifier.
- 1 40. (Original) The computer program product of claim 29 further comprising program  
2 code for logging the information in the e-mail including the sender, the recipient  
3 and the document identifier by the forwarding server.

1 41. (Original) The computer program product of claim 29 wherein the link maintains a  
2 count of the number of times it has been selected.

1 42. (Original) The computer program product of claim 41 wherein the link is a one-  
2 time link.